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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,344	09/11/2003	Alexander Pakhomov		7106

7590 06/01/2005  
Ilya Zborovsky  
6 Schoolhouse Way  
Dix Hills, NY 11746

EXAMINER

LAI, ANNE VIET NGA

ART UNIT	PAPER NUMBER
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2636

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/659,344

Applicant(s)

PAKHOMOV ET AL.

Examiner

Anne V. Lai

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 February 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 and 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Blum et al** [US. 5,237,408] in view of **Everett** [US. 4,857,912] cited as reference in the previous office action.

In claim 1, **Blum et al** (figs. 1 and 2; col. 3, lines 13-39) disclose a system for detecting of an intruder (digital video surveillance system DVSS 10), comprising a plurality groups of sensors connected in parallel with one another (alarm sensors 18, access control detectors 22); a plurality of individual processing units (alarm computer 20, access control computer 24) each connected with a respective one of said groups of sensors, the individual processing units are connected in parallel with one another (fig. 1); a central processing unit (digital video surveillance system; fig. 1) connected with all parallel-connected processing units so that each of the individual processing units can obtain information about a presence of an intruder near any of said groups of sensors; and a plurality cameras 12 (figs. 1-2) for obtaining a visual image of the intruder near any of said groups of sensors and transmitting the image to the central processing unit. Figure 2 of **Blum et al** shows a plurality of spaced apart motion sensors (MD 42), each sensor having at least a respective camera located nearby; **Everett** (fig. 1) teaches the

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use of a plurality of motion sensors of different types forming a group sensors including seismic sensor (vibration 14), acoustic sensor (hearing 12) and visual sensor (video surveillance camera 80), the combination of different types of sensors provide high sensitivity, high probability of detection and minimize false alarm (abstract; col. 3, lines 25-33).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute each motion sensor (MD 42) of Blum et al with a group of motion sensors (12, 14, 16, 18, 20, 30, 78; Everett) having a respective visual image obtaining and transmitting unit (video surveillance camera 80 of Everett in the place of camera 12 of Blum) to provide high probability of detection and minimize false alarm for the intruder detection system.

In claims 3-4, the combined system of **Blum et al** (fig. 2) and **Everett** (fig. 1) disclose each group of sensors (each motion detector MD 42 of Blum replaced by a group of motion sensors of Everett) being connected with a respective one of the individual processing units by a single line (1-N units 34 of Blum fig. 2); the individual processing units are connected in parallel with one another; the central processing unit (external security computers, Blum fig. 2) connected with all parallel-connected processing units by a single line (through I/O interface 41, Blum fig. 2).

In claim 5, **Everett** (fig. 1) teaches wireless communication between the central processing unit (host CPU 94) and the individual processing unit (local CPU 28).

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Blum et al** and **Everett** in view of **Wymore** [US. 6,515,586].

In claim 2, the combination of **Blum et al** (fig. 2) and **Everett** (fig. 1) system comprises at least two groups of sensors extending substantially in the same direction and spaced from one another, it would be obvious the location of the sensor indicate the direction of the intruder; **Wymore** (fig. 3) suggests an array of sensors comprising at least two group of sensors (202) extended substantially in a same direction, spaced from one another, and connected to a single respective one of the individual processing units (controller 110), so that signals produced by the two groups of sensors and received by the respective one of said individual processing units are indicative of a direction from which an intruder crosses an area covered (col. 5, lines 3-6). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made, the use of more than one group of sensors to detect intruder direction provides more accuracy when the intruder detection system is used to supervise a large area.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne V. Lai whose telephone number is 571-272-2974. The examiner can normally be reached on 8:00 am to 5:30 pm, Monday to Thursday.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hofsass Jeffery can be reached on 571-272-2981. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

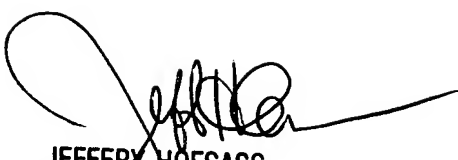
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A. V. Lai  
May 27, 2005

  
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